

circumference of the stator core which allow the injection of the RTV material 42.

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cancel.

Cooling pads similar to those disclosed in the commonly assigned U.S. Patent 5,473,207 (Hopeck et al, "Cooling Pads for Water-Cooled Stator Cores in Dynamoelectric Machines and Methods of Fabrication"), the contents of which are incorporated herein by reference, can also be provided on the outer circumference of the stator core and have provisions for the addition of the radial tubes for RTV material injection.

✓ IN THE CLAIMS:

✓ Please cancel claims 8-15 without prejudice or disclaimer.

Please amend the claims as follows.

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1. (Amended) A winding support structure for use with a superconducting rotor, said support structure comprising:

an inner support ring;

an outer support ring arranged around an outer circumference of said inner support ring;

first and second support blocks coupled to said outer support ring so that the outer support ring is arranged between the inner support ring and respective portions of the first and second support blocks coupled to the outer support ring; and

a lamination coupled to said first and second support blocks so that a slot is defined between said support blocks and between said outer support ring and said lamination to receive a portion of a winding.

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6. (Amended) The winding support structure of claim 1 wherein a clearance space in said slot is filled with a RTV material.

16. (Amended) An apparatus for use with a superconducting rotor comprising:

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an inner support ring;

an outer support ring arranged around an outer circumference of said inner support ring;

first and second support blocks coupled to said outer support ring so that the outer support ring is arranged between the inner support ring and respective portions of the first and second support blocks coupled to the outer support ring;

a lamination coupled to said first and second support blocks; and

a winding, a portion of said winding being arranged within a slot that is defined between said support blocks and between said outer support ring and said lamination.

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19. (Amended) The apparatus of claim 16 wherein a clearance space in said slot is filled with a RTV material.

Please add the following new claims.

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--22. (New) The winding support structure of claim 1, wherein the slot provides a clearance space between an outer radially-extending end of the winding and an inner face of the lamination defining the slot.

23. (New) The apparatus of claim 16, wherein the slot provides a clearance space between an outer radially-extending end of the winding and an inner face of the lamination defining the slot.

24. (New) A winding support structure for use with a superconducting rotor, said support structure comprising:

an inner support ring;

an outer support ring arranged around an outer circumference of said inner support ring;

first and second support blocks, each having an inner radially-extending end and an outer radially-extending end, the respective inner radially-extending ends of the first and second support blocks being coupled to said outer support ring; and

a lamination coupled to said first and second support blocks so that a slot is defined between said support blocks and between said outer support ring and said lamination to receive a portion of a winding, the respective outer radially-extending ends of the first and second support blocks extending radially beyond an outer radially-extending end of the winding.

25. (New) An apparatus for use with a superconducting rotor comprising:

an inner support ring;

an outer support ring arranged around an outer circumference of said inner support ring;

first and second support blocks, each having an inner radially-extending end and an outer radially-extending end, the respective inner radially-extending ends of the first and second support blocks being coupled to said outer support ring;

a lamination coupled to said first and second support blocks; and

a winding, a portion of said winding being arranged within a slot that is defined between said support blocks and between said outer support ring and said